



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re the Application of: **HARAGUCHI, Kazutoshi**

Group Art Unit: 1700

Serial No.: **09/864,184**

Examiner: **YOON, Tae H.**

Filed: **May 25, 2001**

P.T.O. Confirmation No.: 2872

FOR: ORGANIC/INORGANIC HYBRID HYDROGEL AND MANUFACTURING METHOD THEREFOR

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(c)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 15, 2003

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

This Information Disclosure Statement is being submitted after issuance of a first official action on the merits and expiration of the three month period following the filing date or the entry of the national stage for the above-captioned application, but prior to issuance of either a final official action or a Notice of Allowance. A check is attached hereto which covers the \$ 180.00 fee set forth in 37 CFR 1.17(p).

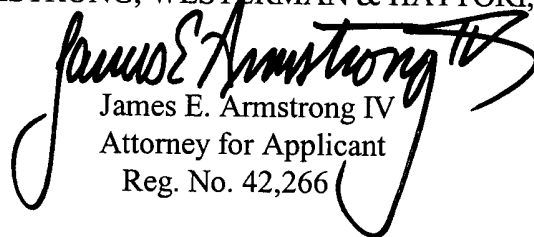
The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. See 37 CFR 1.104(a) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the

documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is hereby authorized to charge any additional fee (or credit any overpayment) associated with this statement to our Deposit Account No. 01-2340.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449 and references (1)
Check for \$ 180.00



**INFORMATION
DISCLOSURE
CITATION
PTO-1449**

Atty. Docket No. 010676

Serial No. 09/864,184

Applicant(s): HARAGUCHI, Kazutoshi

Filing Date: May 25, 2001

Group Art Unit: 1714

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA					
_____	AB					
_____	AC					
_____	AD					
_____	AE					

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
_____	AF		
_____	AG		
_____	AH		
_____	AI		
_____	AJ		

OTHER DOCUMENTS

_____	AK	Haraguchi, K. et al., "Effects of clay content on the properties of nanocomposite hydrogels composed of poly(n-isopropylacrylamide) and clay," <u>Macromolecules</u> , Vol. 35, Number 27, pages 10162-10171.
_____	AL	
Examiner		Date Considered